

CLAIMS

1. Latex turbidimetric immunoassay using an antigen-antibody reaction of lipoprotein(a) having several phenotypes, wherein, in detection utilizing the immunoassay, the amount of an antibody against the lipoprotein(a) added to an assay system is adjusted and a basic amino acid is added to the assay system, thereby circumventing the variability of a measurement value attributable to phenotype variety and obtaining a measurement value having a high correlation with a measurement value of the lipoprotein(a) in a biological sample that is measured on a molecular basis.
2. The immunoassay according to claim 1, wherein the amount of the antibody added is greater than or equal to 0.16 mg/mL in a reaction solution at the time of the antigen-antibody reaction.
3. The immunoassay according to claim 2, wherein the amount of the antibody added is from 0.16 mg/mL to 0.23 mg/mL inclusive in the reaction solution at the time of the antigen-antibody reaction.
4. The immunoassay according to any one of claims 1 to 3, wherein the amount of the basic amino acid added is greater than or equal to 15% by weight in the reaction solution at the time of the antigen-antibody reaction.
5. The immunoassay according to claim 4, wherein the amount of the basic amino acid added is from 15% by weight to 17% by weight inclusive in the reaction solution at the time of the antigen-antibody reaction.
6. The immunoassay according to any one of claims 1 to 5, wherein the basic amino acid is arginine.

7. A detection reagent for latex turbidimetric immunoassay using an antigen-antibody reaction of lipoprotein(a) having phenotypes, the reagent comprising: an antibody against the lipoprotein(a) in such an amount that the amount of the antibody is greater than or equal to 0.16 mg/mL in a reaction solution at the time of the antigen-antibody reaction; and a basic amino acid in such an amount that the amount of the basic amino acid is greater than or equal to 15% by weight in the reaction solution at the time of the antigen-antibody reaction, wherein the Latex turbidimetric immunoassay circumvents the variability of a measurement value attributable to phenotype variety and obtains a measurement value having a high correlation with a measurement value of the lipoprotein(a) in a biological sample that is measured on a molecular basis.

8. The detection reagent for latex turbidimetric immunoassay according to claim 7, wherein the amount of the antibody added is from 0.16 mg/mL to 0.23 mg/mL inclusive in the reaction solution at the time of the antigen-antibody reaction.

9. The detection reagent for Latex turbidimetric immunoassay according to claim 7 or 8, wherein the amount of the basic amino acid added is from 15% by weight to 17% by weight inclusive in the reaction solution at the time of the antigen-antibody reaction.

10. The detection reagent for latex turbidimetric immunoassay according to any one of claims 7 to 9, wherein the basic amino acid is arginine.